



INSTITUT GUMÁRENSKÉ TECHNOLOGIE A TESTOVÁNÍ, A.S.
RUBBER TECHNOLOGY AND TESTING INSTITUTE, Plc.
INSTITUT FÜR GUMMITECNOLOGIE UND PRÜFWESEN, A.G.
A.O. «ИНСТИТУТ ТЕХНОЛОГИИ РЕЗИНЫ И ИСПЫТАНИЙ»

Společnost je zapsána v obchodním rejstříku vedeném Krajským soudem v Brně, oddíl B, vložka 818



Zlín 25th January 2023

E8*106R00/19*2499*00

PETLAS TIRE INDUSTRY
AND TRADE COMPANY
Kindam Mah.
Ankara-Kayseri Cad. No.2/1
40200 Kirsehir, TURKEY

Communication concerning the approval and notification of approval number and inspection report issued by Inspection body IGTT

Tyre type fully complies requirements of ECE/UN R106.

Enclosed you will find the Communication concerning the approval of your tyres according to ECE/UN Regulation No. 106

On the base of this approval you are entitled to produce in your factory tyres of the dimension:

360/70R24 PETLAS TA-110 122D TL
360/70R24 STARMAXX TR-110 122D TL
360/70R24 HARVESTER HR-500 122D TL

with the approval number : E8 106R - 002499
date of inspection : 25th January 2023

inspector's name : Václav Hořelka

Sincerely yours,



Václav Hořelka
Head Of Tyre Approval Department
Head Of Inspection Body IGTT

Ministerstvo dopravy České republiky
Ministry of Transport of the Czech Republic
Nábřeží L. Svobody 12, 110 15 Praha 1, Czech Republic

OSVĚDČENÍ o ⁽¹⁾:

COMMUNICATION concerning ⁽¹⁾:



UDĚLENÍ HOMOLOGACE

ROZŠÍŘENÍ HOMOLOGACE

ZAMÍTNUTÍ HOMOLOGACE

ODEBRÁNÍ HOMOLOGACE

DEFINITIVNÍM UKONČENÍ VÝROBY

APPROVAL GRANTED

APPROVAL EXTENDED

APPROVAL REFUSED

APPROVAL WITHDRAWN

~~PRODUCTION DEFINITELY DISCONTINUED~~

typu pneumatiky pro motorová vozidla podle Předpisu OSN č. 106
of a type of pneumatic tyre for motor vehicles pursuant to UN Regulation No. 106

Homologace číslo:

Approval No.: **E8*106R00/19*2499*00**

Rozšíření číslo:

Extension No.: **N/A**

1. Jméno a adresa výrobce:

Manufacturer's name and address:

**PETLAS TYRE INDUSTRY
AND TRADE COMPANY**

Kindam Mah., Ankara-Kayseri

Cad. No.2/1, 40200 Kirsehir, TURKEY

2. Označení typu pneumatiky ⁽²⁾:

Tyre type designation ⁽²⁾:

2.1. Obchodní značka(y) / obchodní název(y):

Brand name(s) / trademark(s):

**PETLAS, STARMAXX,
HARVESTER**

2.2. Obchodní popis(y) / obchodní název(y):

Trade description(s) / Commercial name(s):

**TA-110, TR-110
HR-500**

3. Případně jméno a adresa zástupce výrobce:

If applicable, name and address of
manufacturer's representative:

N/A

4. Souhrnný popis:

Summarized description:

4.1. Označení rozměru pneumatiky:

The tyre size designation:

360/70R24

4.2. Kategorie použití:

Category of use:

**Traktor-záběrové kolo-standardní dezén
Tractor-drive wheel-standard tread**

4.3. Konstrukce: ~~diagonální nebo smíšená~~ / ~~bias belted~~ / ~~radiální~~ ⁽¹⁾

Structure: ~~diagonal or bias ply~~ / ~~bias belted~~ / ~~radial~~ ⁽¹⁾

4.4. Symbol kategorie rychlosti

Speed category symbol:

D

4.5. Index zatížení:

Load-capacity index:

122

4.5.1. pro záběrová (pouze implement):

for traction (implement only):

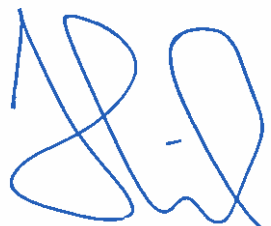
N/A

4.5.2. pro vlečená (pouze implement):

for trailer (implement only):

N/A



- 4.6. Zda pneumatika má být vybavena vnitřní duší nebo bez ní:
Whether the tyre is to be fitted with or without an inner tube: **TUBE TYPE / TUBELESS**
- 4.7. Doplnkový popis použití, je-li požadován:
The supplementary service description, if applicable: **N/A**
- 4.8. Husticí tlak:
Inflation pressure (kPa/bar) ⁽¹⁾: **160 kPa**
5. Technický servis a případně zkušební laboratoř
schválená pro účely schvalování nebo
ověřování shodnosti:
Technical Service and, where applicable,
test laboratory approved for purposes
of approval or of verification of conformity: **8/E:
IGTT a.s. – Institut gumárenské
technologie a testování, a.s.
Rubber Technology and
Testing Institute, Comp.
Šternberská 446, Louky,
763 02 ZLÍN, CZECH REPUBLIC**
6. Datum protokolu vydaného touto službou:
Date of report issued by that service: **22.12.2022
13.12.2022**
7. Číslo protokolu vydané touto službou:
Number of report issued by that service: **S022-1802
D022-2857**
8. Důvod rozšíření (případně):
Reason(s) of extension (if applicable): **N/A**
9. Poznámky:
Any remarks: **N/A**
10. Místo:
Place: **Praha
Prague**
11. Datum:
Date: **25.01.2023**
12. Podpis:
Signature: 
Václav Hořelka
13. Součástí tohoto osvědčení je seznam dokumentů v schvalovací dokumentaci uložené
Administrativní službou, které vydaly schválení a které lze získat na základě žádosti.
Annexed to this communication is a list of documents in the approval file deposited at the
Administrative Services having delivered the approval and which can be obtained upon
request

Seznam příložených dokumentů / List of attached documents

- Žádost o udělení homologace / Request for approval
- Kótovaný profil pneumatiky / Dimensioned tyre cross-section
- Výkres bočnice a běhounu pláště / Drawing of the tyre sidewall and tread
- Prohlášení výrobce / Manufacturer's declaration
- Protokol o zkoušce dle bodu 7. / The test report as mentioned in item 7.



- (1) Nehodící se škrtněte
Delete that which does not apply
- (2) Seznam značek / ochranných známek nebo obchodních popisů / obchodních názvů
může být přílohou k tomuto osvědčení
A list of brand name(s)/trademark(s) or trade description(s)/commercial name(s) may be
annexed to this communication

APPLICATION FOR APPROVAL REGARDING ECE R106

1. Manufacturer's name or trade mark(s) on the tyre type **PETLAS / STARMAXX / HARVESTER**
2. Tread pattern designation by the manufacturer **TA-110 / TR-110 / HR-500**
3. Manufacturer's name and address **PETLAS TYRE INDUSTRY AND TRADE COMPANY.
Kindam Mah.
Ankara-Kayseri Cad. No.2/1
Kirsehir TURKEY**
4. Summarised description for test sample
- 4.1.1. The tyre-size designation; (Water Burst) **380/85 R24**
- 4.1.1. The tyre-size designation; (Load/Speed) **380/70 R28**
- 4.1.3. The category of use **Tractor – Drive Wheel – standard tread**
- 4.1.4. The Structure **Radial**
- 4.1.5. The speed category symbol (Water Burst) **A8**
- 4.1.5. The speed category symbol (Load/Speed) **D**
- 4.1.6. The load – capacity index (Water Burst) **131**
- 4.1.6. The load – capacity index (Load/Speed) **127**
- 4.1.7. Tube or Tubeless type **Tubeless**
- 4.1.8. The supplementary service description (Water Burst) **131 B**
- 4.1.9. The tyre/rim configuration **NA**
- 4.1.10. The measurement/test rim (Water Burst) **W12 00x24**
- 4.1.10. The measurement/test rim (Load Speed) **W12 00x28**
- 4.1.11. The rim(s) on which the tyre can be mounted; (Water Burst) **W11; W12; W13**
- 4.1.11. The rim(s) on which the tyre can be mounted; (Load/Speed) **W11; W12; W13**
- 4.1.12. The measurement inflation pressure (kpa) **160**
- 4.1.13. The factor X **0,8**
- 4.1.14. Cold inflation pressure(kPa) **250**
- 4.1.15. Water Burst Test Pressure (kpa) **600**
- 4.1.15. Load/Speed Test Pressure (kpa) **160**

Attachment

1. Drawing of tread patterns

5. TESTED AND CERTIFICATED TYRES

TESTED WORST CASE TYRE AND CERTIFICATED TYRE INFORMATION					
Size	Load / Speed Index	Worst Case Selection Criteria	Water Burst Test Worst Case Tyre	Load Speed Test Worst Case Tyre	Tyre to Be Certified and Approval Number
*380/85 R24	131 A8 (131 B)	Highest Burst Factor	X		
**380/70 R28	127 D	Highest Load Index at Speed Symbol D		X	
***360/70 R24	122 D	–			E8 106R-002499 X
* This tyre is selected as a water burst test worst case tyre size from tyre range due to the highest burst factor ** This tyre is selected as a Load Speed test worst case tyre size from tyre range due to the highest load index *** This tyre is certified according to the test results of worst case tyres.					

For Technical Drawings of Representative Tyres, Please See Attachment.

APPLICATION FOR APPROVAL REGARDING ECE R106

6. TYRE RANGE LIST (The Tyres Which Have Same Construction)

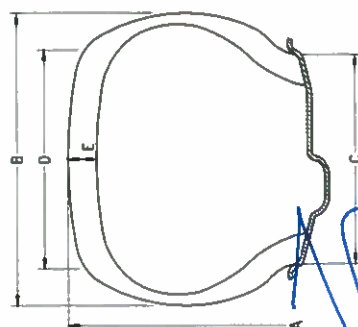
SIZE	LOAD / SPEED INDEX
320/85 R24	122 A8 (122 B)
340/85 R24	125 A8 (125 B)
380/85 R24 (Water Burst WC Tyre)	131 A8 (131 B)
280/85 R28	118 A8 (118 B)
320/85 R28	124 A8 (124 B)
340/85 R28	127 A8 (127 B)
320/70 R28	119 A8 (119 B)
320/70 R24	116 D
360/70 R24	122 D
380/70 R24	125 D
360/70 R28	125 D
380/70 R28 (Load Speed WC Tyre)	127 D

IGTT a.s.

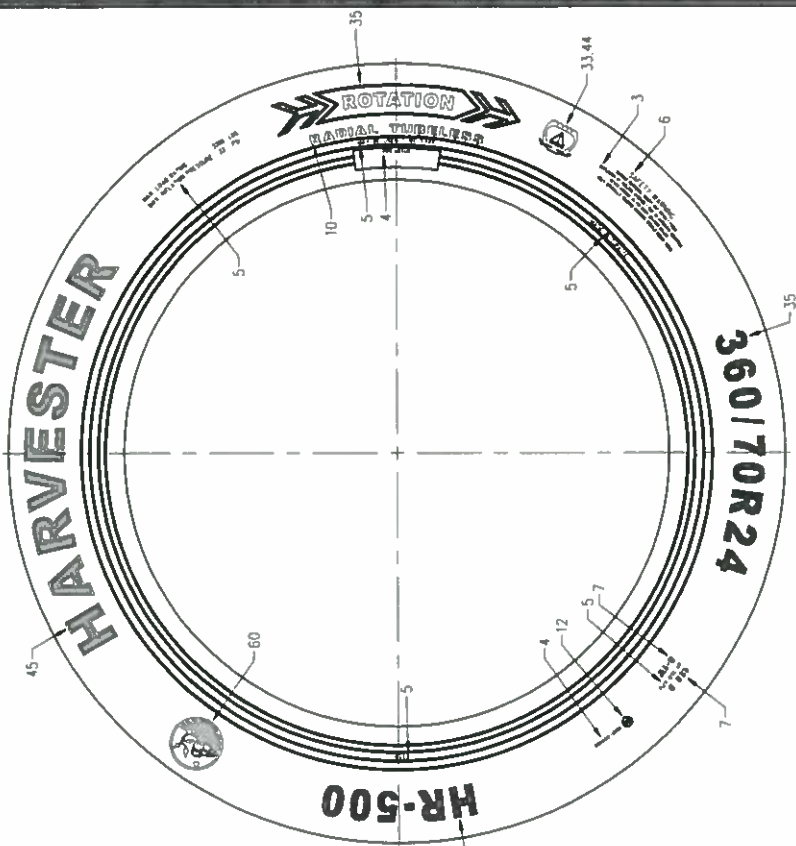
homologace pneumatik
Šternberská 448, Louky
763 02 Zlín, Czech Republic

IČ/O: 48900080 DIČ/VAT: CZ48900080

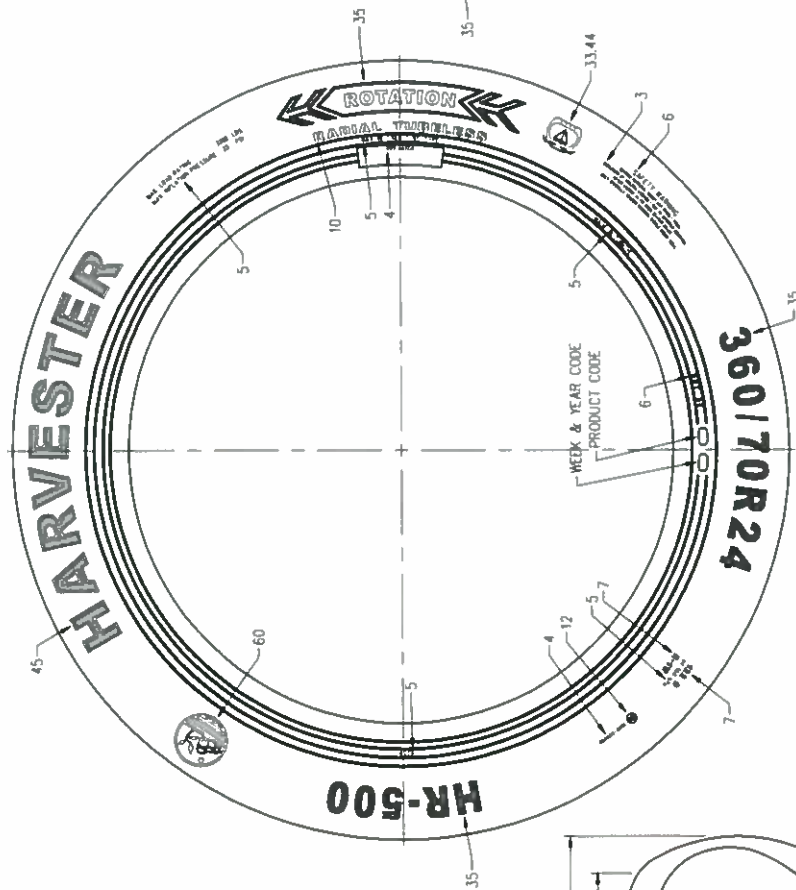




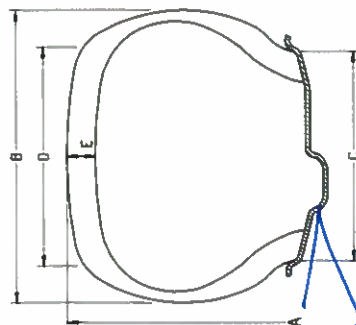
SHIRT DESIG (THREAD PATTERN) : TA-110 - - SHIRT (THREAD) : - - SHIRT (SIDEWALL) :	RESM NO. (DRAWING NO) PKT-12258	TARIH (DATE) 03.01.2023	KONTROL (CHECKED)	
			BASIM SAG	YERAN TUNAL
			B. Dg	



NON SERIAL SIDE

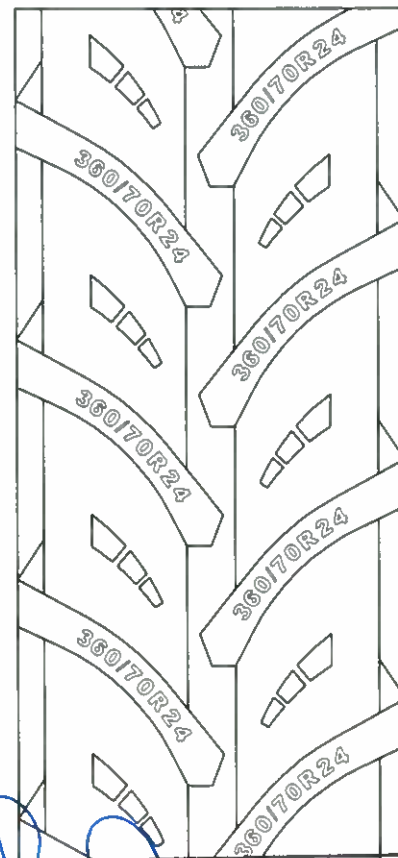


SERIAL SIDE



0	360/70R24	122	-	X	1152	357	11.0	321.08	42	002499	-
D	360/70R24	122	-	X	1152	357	11.0	321.08	42	002499	-
HIZ SINIF (SPEED CAT.)	LASTIK EBADI (TIRE SIZE)	YUK KAPASITE -NOEKS- (LOAD CAP INDEX)	TP (TYPE)	LASTIK (TUBELESS)	A	B	C	D	E	OHAY NO. (APPROVAL NO.) Ea R-106	AQKLAMA (REMARKS)

SIRT DESENI (TREAD PATTERN) : HR-500	RESM NO. (DRAWING NO.) PKT-12258-H	TARH (DATE) 03.01.2023	KONTROL (CHECKED) B.Dy
SIRT (TREAD) :			
YANAK (SIDEWALL) :			





Lastik Sanayi ve Ticaret A.Ş.

Date : 16.01.2023

Petlas Ref. No : 230/009/023

Subject : DECLARATION
Concern : Mr. Vaclav Horelka
Tire Approval Department Head
IGTT ZLIN

To whom it may concern;

Petlas confirms, that pattern **PETLAS TA-110** is produced under the same specification as pattern **STARMAXX TR-110** and **HARVESTER HR-500**.

Additional explanation ;

PETLAS TA-110 is produced with the same technology (same raw materials, same green tyre specification, same machine, same mold) as pattern **STARMAXX TR-110** and **HARVESTER HR-500** only the trade mark of the tyre is changed.

BRAND / PATTERN	SIZE	APPROVAL NUMBER
PETLAS / TA-110	360/70 R24 122 D	E8 106R-002499
STARMAXX / TR-110	360/70 R24 122 D	E8 106R-002499
HARVESTER / HR-500	360/70 R24 122 D	E8 106R-002499

Erdin ONAT
R&D Manager

PETLAS Lastik Sanayi ve Ticaret A.Ş.

Kindam Mah. Ankara-Kayseri Cad. No:2/1 KIRŞEHİR Tel: (0396) 252 65 50 Fax: (0386) 252 65 70
iletisim@petlas.com.tr

petlas Bir Abdulkadir Özcan A.Ş. Kurumudur.

137-F-178-02

IGTT a.s.

homologace pneumatik
Štamberšká 446, Louky
763 02 Zlín, Czech Republic

IC/ID: 46900080 DIČ/VAT: CZ46900080





TYPE APPROVAL TEST REPORT

REPORT NO: S022-1802

TYRE SPECIFICATION

Manufacturer Name	: PETLAS TIRE INDUSTRY AND TRADE CO.	Speed Category Symbol	: A8
Manufacturer Address	: KINDAM MAH.ANKARA KAYSERI CAD. NO 2/1 KIRŞEHİR / TURKEY	Supplementary Service Description	: 131 B
Brand	: PETLAS	Category of Use	: Tractor – Drive Wheel – standard tread
Pattern Name	: TA-110	Structure	: Radial
Product Code	: 14242	TT/TL	: TL
Size Designation	: 380/85 R24	Date of Manufacture	: 4822
Load Capacity Index	: 131	Barcode Number	: 79315565
		Approval Number	: E8 106R-002493

TEST AND EQUIPMENT SPECIFICATION

Test Tyre Receiving Date	: 18.12.2022
Test Date	: 20.12.2022
Reference Regulation	: UNECE Regulation 106
Petlas Test Code	: 3009
The Tests Conducted	: 1 - Marking Control ☒ 2 - Dimensions Measurement ☒ 3 - Tyre Resistance to Bursting ☒
Test Machine Name	: WATER BURSTING TEST SYSTEM
Pressure Gauge Calibration No	: 2214798
Caliper Calibration No	: 2213879
Tape Measure Calibration No	: 2213870
Test Rim	: W12.00x24
Test Technician	: A.Y.

CUSTOMER INFORMATION

Name	: Same as Manufacturer
Address	: Same as Manufacturer

TYRE VISUAL INSPECTION RESULT BEFORE TEST

Tyre was inspected and any evidence of failure was not detected.

Controlled by;

AYHAN UMUCU
Tyre Test Engineer
21.12.2022



Page 1 of 2

Approved by;

EKREM TURNA
Tyre Testing Laboratory Chief
22.12.2022



TYPE APPROVAL TEST REPORT

REPORT NO: S022-1802

TEST 1 - MARKING CONTROL

Trade name or Mark	YES ☒	NO ☐	N/A ☐
Commercial/Pattern Name Marking	YES ☒	NO ☐	N/A ☐
Tyre Size Designation Marking	YES ☒	NO ☐	N/A ☐
Tyre Structure Marking	YES ☒	NO ☐	N/A ☐
The Service Description	YES ☒	NO ☐	N/A ☐
The Supplementary Service Description	YES ☒	NO ☐	N/A ☐
The Inscription (R-2 or LS-1 or IMP etc.)	YES ☒	NO ☐	N/A ☐
The pictogram, cold inflation pressure that shall not be exceeded for bead seating during tyre mounting	YES ☒	NO ☐	N/A ☐
Speed Category Symbol Marking	YES ☒	NO ☐	N/A ☐
Load Capacity Index Marking	YES ☒	NO ☐	N/A ☐
In kPa, of the Inflation Pressure (at or @ kPa)	YES ☒	NO ☐	N/A ☐
"TUBELESS" marking in case of without inner tube use	YES ☒	NO ☐	N/A ☐
Date of Manufacture	YES ☒	NO ☐	N/A ☐
Approval Number Marking	YES ☒	NO ☐	N/A ☐

RESULT: The tire markings are fulfill the reference regulation requirements.

TEST 2 - DIMENSIONS MEASUREMENT

Conditioning	: 24 hours at 25 ± 5 °C
Inflation Pressure (kPa)	: 160
Overall Width Measurements (mm)	: 375,9 / 375,6 / 375,4 / 376,2 / 378,7 / 378,8
Maximum Circumference (mm)	: 3920

PARAMETERS	LIMIT VALUES (mm)	MEASURED VALUES (mm)
Nominal Overall Width-S	380,0	378,8
Maximum Overall Width-Smax	399,0	
Nominal Outer Diameter-D	1256,0	1247,8
Minimum Outer Diameter-Dmin	1230,0	
Maximum Outer Diameter-Dmax	1282,0	

RESULT: The dimensions are fulfill the reference regulation requirements.

TEST 3 - TYRE RESISTANCE to BURSTING

Inflation Pressure (kPa)	: 160
Test Pressure = 2,5 times higher (kPa) (Pmin= 600 kPa, Pmax= 1000kPa)	: 600
Min Test Duration (min)	: 10

RESULT: Tire completed the tyre resistance to bursting test without any failure.

FINAL RESULT: THE TYRE PASSED ALL TESTS ACCORDING TO THE REFERENCE REGULATION

PASSED

Controlled by;

AYHAN UMUCU
Tyre Test Engineer
21.12.2022



Approved by;

EKREM TURNA
Tyre Testing Laboratory Chief
22.12.2022/



TYPE APPROVAL TEST REPORT

REPORT NO: D022-2857

TYRE SPECIFICATION

Manufacturer Name	: PETLAS TIRE INDUSTRY AND TRADE CO.	Speed Category Symbol	: D
Manufacturer Address	: KINDAM MAH.ANKARA KAYSERI CAD. NO 2/1 KIRSEHIR / TURKEY	Supplementary Service Description	: -
Brand	: PETLAS	Category of Use	: Tractor - drive wheel - standard tread
Pattern Name	: TA-110	Structure	: Radial
Product Code	: 16382	TT/TL	: TL
Size Designation	: 380/70 R28	Date of Manufacture	: 4522
Load Capacity Index	: 127	Barcode Number	: 60895685
		Approval Number	: E8 106R-002502

TEST AND EQUIPMENT SPECIFICATION

Test Tyre Receiving Date	: 5.12.2022
Test Date	: 07.12.2022 - 09.12.2022
Reference Regulation	: UNECE Regulation 106
Petlas Test Code	: ECE R106
The Tests Conducted	: 1 - Marking Control ☒ 2 - Load/Speed Test ☒
Test Machine Name (Drum Diameter)	: OTR/AGR-1 (3.500 m)
Pressure Gauge Calibration No	: 2214798
Caliper Calibration No	: 2213879
Tape Measure Calibration No	: 2213870
Test Rim	: W12.00x28
Test Technician	: S.O. - F.Ş.

CUSTOMER INFORMATION

Name	: Same as Manufacturer
Address	: Same as Manufacturer

TYRE VISUAL INSPECTION RESULT BEFORE TEST

Tyre was inspected and any evidence of failure was not detected.

Controlled by:

AYHAN UMUCU
Tyre Test Engineer
12.12.2022



Page 1 of 2

Approved by:

EKREM TURNA
Tyre Testing Laboratory Chief
13.12.2022

Petlas Secret Technical information. The document contains classified information. It must be kept in only Petlas and stored in a safe place. The test result in this report is confidential and must be kept in secret. This test report shall not be reproduced other than in full except with the permission of Petlas.





TYPE APPROVAL TEST REPORT

REPORT NO: D022-2857

TEST 1 - MARKING CONTROL

Trade name or Mark	YES ☒	NO ☐	N/A ☐
Commercial/Pattern Name Marking	YES ☒	NO ☐	N/A ☐
Tyre Size Designation Marking	YES ☒	NO ☐	N/A ☐
Tyre Structure Marking	YES ☒	NO ☐	N/A ☐
The Service Description	YES ☒	NO ☐	N/A ☐
The Supplementary Service Description	YES ☒	NO ☐	N/A ☐
The Inscription (R-2 or LS-1 or IMP etc.)	YES ☒	NO ☐	N/A ☐
The pictogram, cold inflation pressure that shall not be exceeded for bead seating during tyre mounting	YES ☒	NO ☐	N/A ☐
Speed Category Symbol Marking	YES ☒	NO ☐	N/A ☐
Load Capacity Index Marking	YES ☒	NO ☐	N/A ☐
In kPa, of the Inflation Pressure (at or @ kPa)	YES ☒	NO ☐	N/A ☐
"TUBELESS" markig in case of without inner tube use	YES ☒	NO ☐	N/A ☐
Date of Manufacture	YES ☒	NO ☐	N/A ☐
Approval Number Marking	YES ☒	NO ☐	N/A ☐

RESULT : The tire markings are fulfill the reference regulation requirements.

TEST 2 - LOAD/SPEED TEST

Conditioning : 3 hours at 25 ± 5 °C
Inflation Pressure (kPa) : 160

Test Procedure

Date/Time	Test Step No	Duration (hour)	Test Load (kg)	Test Speed (km/h)	Control
7.12.2022 14:03	0	0	0	0	S.Ö.
	1	7	1310	20	
	2	16	1667	20	
9.12.2022 13:03	3	24	2004	20	F.Ş.

RESULT : Tire completed the tyre load/speed test without any failure.

FINAL RESULT: THE TYRE PASSED ALL TESTS ACCORDING TO THE REFERENCE REGULATION

PASSED

Controlled by;

AYHAN UMUCU
Tyre Test Engineer
12.12.2022

[Signature]



Approved by;

EKREM TURNA
Tyre Testing Laboratory Chief
13.12.2022

[Signature]